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| High Schools only | WVC – High Schools | CCSS | WVC only |
| Linear programming  (E) Synthetic Division  (W) Conics  (W) Matix operations (basic)  (W) Rational Expressions  (W) Sequence & Series   * Arithmetic * Geometric   (W) Piecewise-defined functions  (E) intro to right triangle trig | Review items:   * Exponents * Function basics * Graphing linear eqs * Factoring   Review items: Solving eqs   * Linear eqs * Quadratic eqs * Rational eqs * Systems of linear eqs   Solving inequalities  Manipulating radical expressions  Manipulating rational exponents  Solving radical eqs  Joint/inverse/direct variation problems (1 day @ WVC)  Solving quadratic eqs by…   * Completing the sq * Factoring * Quadratic formula   Complex number arithmetic  Rationalize with conjugates  Graphing shifted quadratics and ABS value functions  Function vocab: notation/evaluation  Solve exponential & log eqs  Graph basic exponential & log eqs | * Perform arithmetic operations with complex numbers.   • Use complex numbers in polynomial identities and equations.  • Interpret the structure of expressions.  • Write expressions in equivalent forms to solve problems.  • Perform arithmetic operations on polynomials.  • Understand the relationship between zeros and factors of polynomials.  • Use polynomial identities to solve problems.  • Rewrite rational expressions.  • Understand solving equations as a process of reasoning and explain the reasoning.  • Represent and solve equations and inequalities graphically.  • Analyze functions using different representations.  Extend the domain of trigonometric functions using the unit circle.  • Model periodic phenomena with trigonometric function.  • Prove and apply trigonometric identities.  Create equations that describe numbers or relationships.  • Interpret functions that arise in applications in terms of a context.  • Analyze functions using different representations.  • Build a function that models a relationship between two quantities.  • Build new functions from existing functions.  • Construct and compare linear, quadratic, and exponential models and solve problems count or measurement variable.  • Understand and evaluate random processes underlying statistical experiments.  • Make inferences and justify conclusions from sample surveys, experiments and observational studies.  • Use probability to evaluate outcomes of decisions | (optional) Linear programming  Interval notation  Function composition  Arithmetic operations on functions such as F(x) + G(x)  (optional) solving exp. & log applications  (optional) Solving quadratic like eqs (i.e. exponents to the 4th power) |